

Subject: INFO-HAMS Digest V89 #926  
To: INFO-HAMS@WSMR-SIMTEL20.ARMY.MIL

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Today's Topics:

                                    FT 470  
            Listening between 29.7 and 30 MHz - Russian aero?  
                                    NEC UPC1651G?  
                    Scanners with 12.5khz increments  
                    Scan the garbage trucks and waste dumps :-)

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Date: 23 Nov 89 23:13:16 GMT  
From: tank!toto@handies.ucar.edu (Sandra Jessica Smyth)  
Subject: FT 470

In article <538@enprt.Wichita.NCR.COM> hburford@enprt.Wichita.NCR.COM (Harry Burford) writes:

:turner@ics.uci.edu (Clark Turner) writes:

:  
:>Just a short query about the Yaesu FT-470 that I just bought a few weeks  
:>ago. Does anyone know of a way to open up the receiver in the 450 MHz  
:>range? I have learned to toggle extended receive for the 144 MHz range  
:>but have no clue for the rest, if such is possible.

:  
:I have been watching this network as well as hamnet on CI\$. So far  
:no one has been able to extend the 70cm coverage of the 470. Please  
:post if you discover something.

:  
:>pay some price in intermod (just discovered). Its a nice radio and I would  
:>Clark S. Turner WA3JPG

:  
:Yaesu has a fix for the intermod problem. Mine is really bad, too.  
:You will need to send your radio to Yaesu for the 'intermod fix'. It  
:is considered to be a warrenty item. From what I understand, they will  
:change the IF frequency so (hopefully) the intermod problems will be  
:somewhere other than the ham band. Postings from CI\$ have said that  
:there is MUCH improvement. You will be without your radio for a couple  
:of weeks. I'm anxious to get mine back .... hb

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:Harry Burford - NCR Peripheral Products Division, Printer Products  
:PHONE: 316-636-8016              TELEX: 417-465              FAX: 316-636-8889  
:SLOWNET: 3718 N. Rock Road, Wichita KS              CALL: KA0TTY  
:C-\$erve: 76367,151              SS: 9.5              Harry.Burford@Wichita.NCR.COM

I know you are looking for a keyboard-initiated solution to this, and I don't believe there is one. However, I believe it can be done by messing with the internals. I have a price sheet here of mods I picked up at a ham fest, and Trionyx Inc of 6775 N 550E Bronsburg, IN 46112 offers to extend the receive (and tx) of the Ft-470 to 430-470 for \$85.

No, I don't know anything about this firm. I just hoard paper.

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Sandra Jessica Smyth  
toto@tank.uchicago.edu

Believer in lost causes

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Date: 23 Nov 89 17:12:38 GMT  
From: att!cbnewsc!parnass@ucbvax.Berkeley.EDU (Bob Parnass, AJ9S)  
Subject: Listening between 29.7 and 30 MHz - Russian aero?

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The band between 29.7 and 30 MHz receives almost no coverage in the radio monitoring press. This may be due to several years of poor propagation and unreliable reception. This year, however, propagation has been great, and listeners in the US can hear several interesting, albeit difficult to identify communications in that band.

Spanish language communications can be heard on FM repeaters, like on 29.9 MHz, for example. I can hear a dispatcher speak in an Eastern European language on 29.86 MHz USB.

Anyone else heard what sounds like Russian aero military traffic using USB above the 10 meter ham band?

By agreement (WARC '79) the spectrum from 29.7 - 30.005 MHz is allocated worldwide for fixed and mobile use only.

The language I heard could be Russian or other Eastern European, but not French, Spanish, German, or anything spoken in the Americas or in Asia.

Some of the stations sounded like they are transmitted

from an aircraft due to the ever present (400 Hz?) whine  
on their signals. Net control was the strongest and  
had  
no such whine.

29.9350 call?\_\_\_\_\_unidentified: air to ground comms,  
sounds like Russian language, usb, 11/23/89  
@1615Z  
[location?] (B. Parnass)

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Bob Parnass, AJ9S - AT&T Bell Laboratories - att!ihuxz!parnass (708)979-5414

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Date: 24 Nov 89 01:23:11 GMT  
From: agate!shelby!beale%sierra.Stanford.EDU@apple.com (John P. Beale)  
Subject: NEC UPC1651G?

NEC uPC1651G "Silicon monolithic bipolar integrated circuit"

I just put together a circuit using that IC from All Electronics.  
(A spec. sheet comes with it). Gain is flat out to ~300 MHz, peaks  
around 700 Mhz (+23 dB), and drops stone-like beyond 1.1 Ghz.  
Anyway, below 300 Mhz it's +19.5 dB +/- 0.5 dB, at 5 V, 20 mA.  
Noise figure is specified 5.5 dB typ, 6.5 dB max at 500 Mhz, but  
I didn't measure it. Not the best low-noise preamp around!

Power gain is specified at 16 dB min, 19 dB typ (500 Mhz).  
Max. output spec. as 3 dBm typ, 5 dBm max (500 Mhz). At 200 Mhz,  
I measured 1 dB gain compression at 0 dBm output, with 2nd harmonic:

Fundamental	2nd Harm.
0 dBm	-10 dBm
-10	-28
-20	-56

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Hope this helps!           -- John Beale, N8JUF  
                              beale@sierra.stanford.edu

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Date: 23 Nov 89 01:41:58 GMT  
From: att!mcdchg!ddsw1!tapa!larry@ucbvax.Berkeley.EDU (Larry Pajakowski)  
Subject: Scanners with 12.5khz increments

I've notices more and more scanners are not offering 15khz. as a standard

increment for scanning. According to the freq. info I looked at high band is pretty much 15khz increments as well as most of 2m.

Anybody have any ideas why 12.5khz. seems so popular and not 15khz?

Larry, WA9Q00

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Date: 23 Nov 89 21:37:20 GMT  
From: att!cbnewsc!parnass@ucbvax.Berkeley.EDU (Bob Parnass, AJ9S)  
Subject: Scan the garbage trucks and waste dumps :-)

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# SCAN THE GARBAGE TRUCKS AND WASTE DUMPS

by Bob Parnass, AJ9S

No, this article does not represent a new low in scanner journalism, rather it deals with a topic "untouched" heretofore by other publications!

Many disposal companies and waste haulers use two-way radios in their trucks to communicate with dispatchers and land fill operators.

The Greene Valley Land Fill is located in southwestern Naperville and covers several acres. Trucks from many companies dump refuse there. The site is operated by Oakbrook-based Waste Management, Inc. under contract from the DuPage County Forest Preserve. Listen for them on 463.425 MHz.

Browning-Ferris Industries operates the Mallard Lake landfill in Bloomingdale.

I use Tri-County Scavenger Service to haul garbage every week. One day I was late setting my garbage containers outside, so I telephoned the company dispatcher. I then listened in on his dialog with the garbage truck driver on 463.2 MHz, directing the driver to return to my home for a late pickup.

Here are some related frequencies for Illinois:

Acorn Disposal Svc aka/Huiner Thomas, garbage trucks			
	[Batavia]_____	854.7375_____	KNFW209 (B. Parnass)
Active Disposal Svc_____	[Chicago]_____	461.4500_____	KXE668 (B. Parnass)

Browning Ferris Industries of Illinois, garbage trucks			
	[Melrose Park]_____	472.9625___	WID863 (B. Parnass)
Chicago: Bureaus of Sanitation & Equipment Svc (Snow Command f1)			
	[Chicago]_____	453.6500___	call? (others)
Chicago: Bureaus of Sanitation, Rodent Control (Snow Command f8)			
	[Chicago]_____	453.5500___	call? (others)
Chicago: Streets and Sanitation, f5			
	[Chicago]_____	453.9750___	call? (others)
Chicago: Streets and Sanitation, f7			
	[Chicago]_____	453.5000___	call? (others)
Dukane Waste Systems___	[Batavia]_____	461.8750___	KNAM281 (govt recds)
HOD Disposal Svc_____	[Antioch]_____	464.7750___	KDM601 (others)
Kleen Way Disposal Svc Ltd			
	[Chicago]_____	461.3250___	KAX703 (B. Parnass)
Lombards Refuse Disposal			
	[Lombard]_____	464.3750___	KCJ361 (govt recds)
" "		464.3750___	KCJ361 (B. Parnass)
Metro Sanitary Dist of Greater Chicago, ids="Industrial Waste", "Local Sewage"			
	[Stickney]_____	453.9250___	KSZ505 (B. Parnass)
Naperville Refuse Svc___	[Plainfield]_____	471.7875___	KAM869 (govt recds)
Spee Dee Disposal Svc, garbage trucks			
	[Lockport]_____	853.5375___	KQY945 (B. Parnass)
Speedway Disposal_____	[Geneva]_____	463.4750___	KH4173 (B. Parnass)
Standard Disposal Svc___	[Chicago]_____	463.3250___	KCX540 (B. Parnass)
" "	[Des Plaines]_____	468.3250_mo_	WDM920 (B. Parnass)
Tri-County Scavenger Svc, garbage collection			
	[Yorkville]_____	463.2000___	KTC494 (B. Parnass)
Van Ryn Scavenger Inc, garbage trucks			
	[Bellwood]_____	151.9250___	KUT719 (B. Parnass)
Waste Management aka/Chemical Waste Management			
	[Oakbrook]_____	464.5500_it_	call? (govt recds)
Waste Management Co Greene Valley Landfill			
	[Chicago]_____	463.4250___	KNEF494 (B. Parnass)
" "	[Naperville]_____	463.4250___	KNEF494 (B. Parnass)
Waste Management Inc, aero			
	[Oakbrook]_____	123.0500___	KVD7 (govt recds)
Waste Management_____	[Carol Stream]_____	461.1000___	KNDB813 (govt recds)
" "	[Chicago]_____	467.8500_2w_	KLP278 (govt recds)
" "	[Oakbrook]_____	464.3250___	call? (govt recds)
West Town Disposal_____	[Batavia]_____	461.6750___	KNBM858 (B. Parnass)
Western Disposal_____	[Lockport]_____	463.5250___	WZH893 (govt recds)
Wheeling Disposal Svc___	[Wheeling]_____	154.5150___	KZJ465 (B. Parnass)

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End of INFO-HAMS Digest V89 Issue #926

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